



THREE PHASE HYBRID STORAGE INVERTER

BSE15KH3

Output Power:
15KW



WIDE RANGE
Voltage Range
(150-800V)



100% UNBALANCE
Support Unbalance Load

Max. 1.5

PV OVERSIZE
1.5 Times PV Oversize

Max. 40A

MAX. 40A_{dc}
String Current Up To 40A

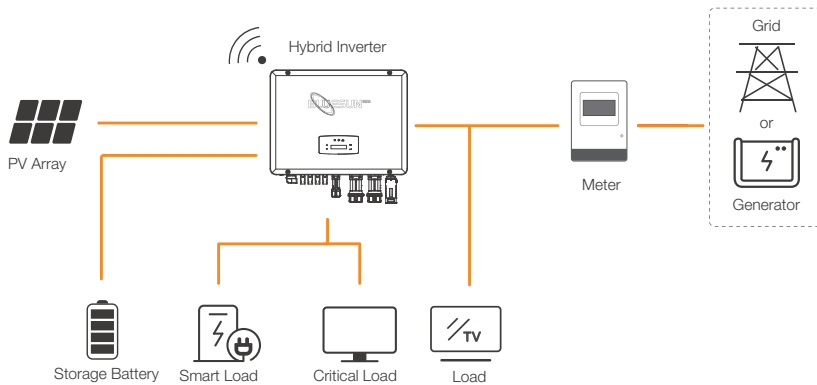
<10 ms

UPS FUNCTION
Switch Time < 10ms



INPUT
Support Generator

Product Topology



Build in Anti-feed-in Function



100% unbalanced output, each phase;
200% unbalanced output, each phase (Below 10kW)



Smart Monitoring & Remote Firmware Upgrade



Support for Time-of-use Optimization

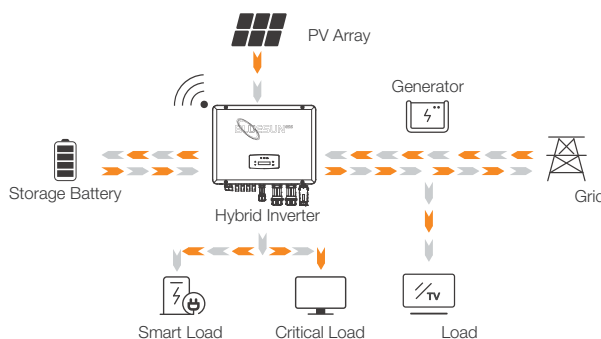


Configurable Operation Modes

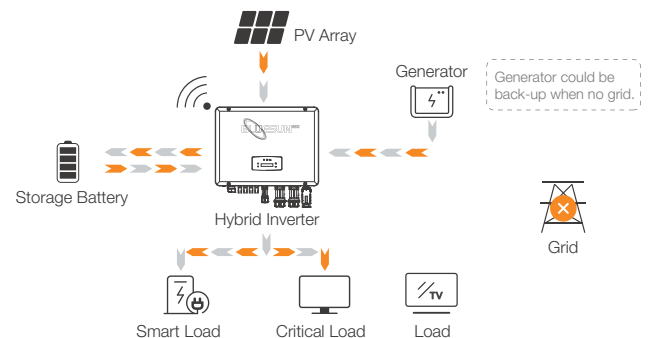


AFCI (Optional) & Rapid Shutdown Ready

Optimizing Self-Consumption (on-grid)



Emergency Power Supply (off-grid)



PV Input		BSE15KH3
Max. DC Input Power (kW)		22.5
Max. PV Voltage (V)		1000
Rated DC Input Voltage (V)		620
DC Input Voltage Range (V)		150-1000
MPPT Voltage Range (V)		150-850
Full MPPT Range(V)		500-850
Start-up Voltage (V)		160
Max. DC Input Current (A)		20+32
Max. Short Current(A)		30+48
No. of MPPT Tracker / Strings		2/3
Battery Port		
Battery Nominal Voltage (V)		500
Battery Voltage Range (V)		150-800
Max. Charge/Discharge Current (A)		50
Max. Charge/Discharge Power (kW)		15
Charging Curve		3 Stages
Compatible Battery Type		Li-ion / Lead-acid
AC Grid		
Nominal AC Output Power (kW)		15
Max. AC Input/Output Power(kVA)		22.5/16.5
Max. AC Output Current (A)		27
Nominal AC Voltage (V)		230/400
Nominal AC Frequency (Hz)		50 / 60
Power Factor		1 (-0.8-0.8) adjustable
Current THD (%)		<3%
AC Load Output (Back-up)		
Nominal Output Power (VA)		15000
Nominal Output Voltage (V)		230 / 400
Nominal Output Frequency (Hz)		50 / 60
Nominal Output Current (A)		21.8
Peak Output Power		16500VA, 60s
THDV (with linear load)		<3%
Switching Time (ms)		<10
Efficiency		
Europe Efficiency		97.50%
Max. Efficiency		98.30%
Battery Charge/Discharge Efficiency		98.00%
Protection		
Reverse Polarity Protection		Yes
Over Current / Voltage Protection		Yes
Anti-islanding Protection		Yes
AC Short-circuit Protection		Yes
Leakage Current Detection		Yes
Ground Fault Monitoring		Yes
Grid Monitoring		Yes
Enclosure Protect Level		IP65
General Data		
Dimensions (WxHxD,mm)		558 x 535 x 260 mm
Weight (kg)		29kg
Topology		Transformerless
Cooling Concept		Intelligent Fan
Relatively Humidity		0-100%
Operating Temperature Range (°C)		-25 to 60 °C
Operating Altitude (m)		< 4000
Noise Emission (dB)		< 40
Standby Consumption (W)		< 5
Display & Communication Interfaces		LCD, LED, RS485, CAN, Wi-Fi, GPRS, 4G
Certification & Approvals		NRS097, G98/G99, EN50549-1, C10/C11, AS4777.2, VDE-AR-N4105, VDE0126, IEC62109-1, IEC62109-2
EMC		EN61000-6-2, EN61000-6-3